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IN THE CLAIMS:

Please cancel claims 102 and 103 without prejudice or disclaimer as to the subject matter thereof.

1. (currently amended) An electrode assembly for an electrochemical cell of the type comprising an elongated anode assembly and an elongated cathode assembly wound unidirectionally in side-by-side relation into a coil comprising a plurality of alternating anode and cathode assembly layers built up from an innermost layer through inner layers to an outermost layer such that the outermost layer of the coil comprises an end segment of ~~one of the anode assembly or the cathode assembly~~ wherein:

~~— (a) —~~ the anode assembly comprises:

(1) ~~—~~ an anode comprising an elongated strip of an alkali metal and an anode current collector having at least a first connector tab disposed to extend away from a side edge thereof, the elongated strip of the alkali metal having a first length and the anode current collector having a second length, the second length of the anode current collector being substantially shorter than the first length of the elongated strip of the alkali metal, wherein the anode current collector is mechanically bonded on at least one first side to the first length of the alkali metal and wherein a part of said anode current collector is disposed in at least a portion of the end segment ~~and mechanically bonded on a second side to the second length of the alkali metal; and~~

(2) ~~—~~ a first layer of separator material shaped to form a pocket around the anode to encase the anode therein and through which the first connector tab extends; ~~and~~

(b) the cathode assembly comprises:

~~— (1) —~~ a cathode comprising an elongated cathode current collector having a second connector tab disposed to extend away from a side edge thereof, the cathode current collector

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~~having a third length, and a cathode material bonded to the
cathode current collector; and~~

~~(2) a second layer of separator material shaped to form a pocket
around the cathode to encase the cathode therein and
through which the first connector tab extends, whereby two
layers of separator material separate the anode and cathode
when wound into the coil of the electrode assembly.~~

2. (canceled)

3. (currently amended) The electrode assembly of claim 1, wherein the anode current collector is formed from at least a one of: a titanium material, a nickel material, a copper material, and an alloy of at least a one of the foregoing materials.

4. (currently amended) The electrode assembly of claim 1, further comprising wherein the a cathode current collector further comprising a titanium element.

5. (currently amended) The electrode assembly of claim 1, ~~wherein the cathode material further comprises~~ a cathode member spaced from the anode with a separator material disposed therebetween, wherein said cathode member comprises of at least a one of: a solid reactive material, a binder material and a conductivity enhancer.

6. (previously presented) The electrode assembly of claim 5, wherein the solid reactive material comprises a silver vanadium oxide material.

7. (previously presented) The electrode assembly of claim 5, wherein the binder material further comprises a PTFE material.

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8. (previously presented) The electrode assembly of claim 5, wherein the conductivity enhancer further comprises a conductive carbon.
9. (canceled)
10. (currently amended) An electrode assembly for an electrochemical cell of the type comprising an elongated anode assembly and an elongated cathode assembly wound unidirectionally in side-by-side relation into a coil comprising a plurality of alternating anode and cathode assembly layers built up from an innermost layer through inner layers to an outermost layer such that outermost layer of the coil comprises an end segment of the anode assembly, wherein:
- ~~(a) the anode assembly comprises:~~
 - ~~(1) an anode comprising an elongated strip of an alkali metal and an anode current collector having at least a first connector tab disposed to extend away from an side edge thereof, the elongated strip of the alkali metal having a first length, the anode current collector having a second length substantially shorter than the first length, the anode current collector being disposed against an end segment of the elongated strip of the alkali metal corresponding to an end segment of the anode assembly wherein the anode current collector is mechanically bonded on a first side to the first length of the alkali metal and mechanically bonded on a second side to the second length of the alkali metal;~~
 - ~~(2) a first layer of separator material shaped to form a pocket around the anode to encase the anode therein and through which the first connector tab extends; and~~
 - ~~(b) the cathode assembly comprises:~~
 - ~~(1) a cathode comprising an elongated cathode current collector having a second connector tab disposed to extend away from a side edge thereof, the cathode current collector~~

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having a third length, the third length shorter than the first length by an amount that enables the end segment of the anode assembly to be wound into the outermost layer of the coil, and a cathode material bonded to the cathode current collector; and
(2) a second layer of separator material shaped to form a pocket around the cathode to encase the cathode therein and through which the first connector tab extends,
whereby two layers of separator material separate the anode and cathode when wound into the coil of the electrode assembly.

11. (canceled)
12. (previously presented) The electrode assembly of claim 10, wherein the anode current collector is formed from a material selected from the group consisting of titanium, nickel, copper and alloys thereof.
13. (currently amended) The electrode assembly of claim 12, wherein the ~~anode~~cathode current collector further comprises a perforated titanium element.
14. (currently amended) The electrode assembly of claim 10, further comprising a cathode member constructed of a cathode material and wherein the cathode material further comprises at least a one of: a solid reactive material, a binder material and a conductivity enhancer.
15. (previously presented) The electrode assembly of claim 14, wherein the solid reactive material further comprises a silver vanadium oxide.
16. (previously presented) The electrode assembly of claim 14, wherein the binder material further comprises a PTFE material.

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17. (previously presented) The electrode assembly of claim 14, wherein the conductivity enhancer further comprises a conductive carbon.

18.-94. (canceled)

95. (currently amended) The electrode assembly of claim 10, further comprising wherein:

~~at~~ the first layer of separator material forming a pocket around the anode assembly ~~is formed by folding a separator material sheet over a top edge of the~~ alkali metal anode, conforming the separator material sheet to the anode assembly, and joining the separator material sheet to itself with a seal at a bottom edge of the anode assembly; and

wherein ~~at~~ the second layer of separator material forms a pocket around ~~at~~ the cathode member formed by a folded portion of a sheet of separator material, said folded portion conforming the sheet of separator material to the cathode member, and joining the sheet of separator material to itself with a seal at a bottom edge of the cathode member.

96. (original) The electrode assembly of claim 10, wherein:
the anode current collector extends through the end segment of the elongated strip of alkali metal corresponding to an end segment of the anode assembly that when wound into the coil disposes at least a portion of the anode current collector in the outermost layer of the coil and through at least one inner anode assembly layer of the coil not constituting the innermost layer.

97.-103. (canceled)

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104. (new) A coiled electrode assembly, comprising:
an elongated, relatively thin lithium anode member having a longitudinal anode length dimension; and
an electrically conductive metallic anode current collector coupled to said anode member, said current collector having a longitudinal current collector length dimension wherein said longitudinal current collector dimension is substantially less than the longitudinal anode length dimension.
105. (new) An assembly according to claim 104, wherein said longitudinal current collector dimension comprises approximately less than about half the longitudinal anode length dimension.
106. (new) An assembly according to claim 104, wherein said longitudinal current collector dimension comprises approximately less than about one-fourth the longitudinal anode length dimension.
107. (new) An assembly according to claim 104, wherein said anode member is disposed on the outer wrap or outer layer in a spirally wound electrochemical cell.
108. (new) An assembly according to claim 104, wherein said anode member includes a plurality of perforations over at least a portion of a major surface thereof.
109. (new) An assembly according to claim 104, further comprising at least one electrically conductive tab member coupled to a one of the anode member and the current collector.

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110. (new) An assembly according to claim 109, wherein said at least one electrically conductive tab member comprises two tabs and said two tabs are coupled to a common edge portion of the anode member or the current collector.
111. (new) An assembly according to claim 109, wherein said at least one electrically conductive tab member comprises a longitudinal tab dimension comprises and said dimension is approximately equivalent to the longitudinal current collector dimension.
112. (new) An assembly according to claim 108, wherein said plurality of perforations of said anode member comprises one of a metallic screen and a metallic grid.
113. (new) An assembly according to claim 104, wherein said current collector comprises a nickel material.
114. (new) An assembly according to claim 104, wherein said current collector comprises a titanium material.
115. (new) An assembly according to claim 104, wherein said current collector includes a height dimension and said height dimension is substantially less than a height dimension of said anode member.